

STIC Search Report

STIC Database Tracking Number: 93568

TO: Ghassem Alie Location: CP2-11B06 Thursday, May 08, 2003

Case Serial Number: 10/080,248

From: Julie Walko **
Location: EIC 3700

CD2 2000

CP2-2C08

Phone: 305-8587

Julie.walko@uspto.gov

Search Notes

Ghassem:

Attached are the results to your request regarding a bandsaw with toothed thrust rollers.

I focused more on toothed thrust rollers than the double-edged blade. I found several citations in the patent literature, but very little in the non-patent literature. Nevertheless, I recommend you review the entire packet.

If you have any questions or would like this search reworked in any way, please do not hesitate to contact me at the number or address listed above.



	Advanced Search	Preferences	Language Tools	Search Tips
(TOOGLE"	bandsaws		Google Searc	£h
	<u> </u>			<u> </u>

Web - Images - Groups - Directory - News - Searched the web for **bandsaws**.

Results 1 - 10 of about 21,500. Search took 0.23 seconds.

Category: Regional > North America > ... > Woodstock > Business and Economy

R&D **Bandsaws** - Bandsaw blades, scrollsaw blades, FasTTraK Systems ...

R&D Bandsaws, manufacturer of Tufftooth brand bandsaw blades, sells quality band

saw blades and accessories. R&D **Bandsaws** Manufacturer of Tuff Tooth Blades. ...

www.tufftooth.com/ - 5k - May 6, 2003 - Cached - Similar pages

Hyd•Mech - a manufacturer of metal cutting **bandsaws** and ... www.bandsaws.com/ - 1k - Cached - Similar pages

arbor and hydraulic presses, cold saws and **bandsaws** from Dake ...

Dake offers a complete line of hydraulic presses, arbor presses, bench presses, cold

saws and **bandsaws**. ... Horizontal **Bandsaws** - manual, mitering, and automatic. ...

www.dake-div-jsjcorp.com/ - 9k - Cached - Similar pages

bandsaws manufactured by Dake

Bandsaws The Industry's Best At Surprisingly Affordable Prices. Horizontal

Bandsaws from Dake / Johnson. Perhaps no tool takes more ... www.dake-div-jsjcorp.com/bandsaws.html - 10k - Cached - Similar pages [More results from www.dake-div-jsjcorp.com]

Sponsored Links

Metal Workers Paradise
Don't Pay More, Shop & Compair!
Free Freight-Low Prices-Brand Names
www.southern-tool.com
Interest:

Buy Band Saws on Sale Free shipping. Huge selection. Easy online ordering. Amazon affiliate. www.amazon.com

Tools from BargainJims
Portable Band Saw 4 1/2"
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www.MyToolStore.com
Interest:

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Wood Cutting Bandsaws and Metal Cutting Bandsaws

Bandsaws from Delta Machinery, Jet Equipment and Tools and Shop Fox. Tools for the Professional, Home Hobbyist and DIY. ... www.toolpeddler.com/bandsaws.htm - 25k - Cached - Similar pages

Woodworking Supplies at Highland Hardware - Tools for Woodworking ... Assembly Tools, Bandsaw Blades & Accessories, Bandsaws & Accessories, ... Browse Results - Select a Product. Bandsaws & Accessories > Bandsaws & Accessories, ... www.tools-for-woodworking.com/subcat.asp?0=312 - 55k - Cached - Similar pages

Jarvis Products Corporation

... Saws, **Bandsaws**. **The Jarvis Model Buster VII electically powered bandsaw: Used for splitting bulls, cows and horses in large and medium plants. ... www.mtgplace.com/com/jarvis/product.asp?iService=33 - 16k - Cached - Similar pages

Horizontal bandsaws, circular cold saws & structural fabricating ...

Behringer Saws - Sawing, structural fabricating & material handling systems.

Horizontal bandsaws, circular cold saws, miter, plate & hack saws. ...

Description: **Bandsaws**, fabricating machines and integrated material handling systems for the metalworking and structur...

Category: <u>Business > Industrial Goods and Services > ... > Knives and Blades</u> www.behringersaws.com/ - 9k - Cached - Similar pages

Jet Bandsaws

Jet bandsaws including horizontal, vertical, woodworking, metal working models.. ... Bandsaws. Model JETJWBS-12OS 12" Open Stand Bandsaw. 1/2 hp, 115V motor. ... www.internationaltool.com/jetbandsaws.htm - 41k - Cached - Similar pages

PORTIERS.NET Bandsaws Store

... The **Bandsaws** Store! **Bandsaws**. 708901, JWBS-12OS - 12 inch open stand Bandsaw, \$330.00. 708115GK, JWBS-14CSG - 14 inch Closed Stand Bandsaw, \$599.00. ... www.portiers.net/category.asp?categoryID=36 - 12k - Cached - Similar pages

G000000000008 l e Next

bandsaws Google Search Search within results

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(nventur Search

(Item 1 from file: 350) 3/5/1 DIALOG(R) File 350: Derwent WPIX (c) 2003 Thomson Derwent. All rts. reserv. 015095308 **Image available** WPI Acc No: 2003-155826/200315 Related WPI Acc No: 2003-040326 XRPX Acc No: N03-122965 Double-edged bandsaw blade has blade guide assembly attached to endless double-edged bandsaw, that comprises blade guide bracket assembly and pair of mutually opposing rubber rollers Patent Assignee: FALBERG W H (FALB-I) Inventor: FALBERG W H Number of Countries: 001 Number of Patents: 001 Patent Family: Applicat No Patent No Kind Date Kind Date US 20020121171 A1 20020905 US 2001275195 P 20010223 200315 US 200280248 А 20020219 Priority Applications (No Type Date): US 2001275195 P 20010223; US 200280248 A 20020219 Patent Details: Patent No Kind Lan Pg Main IPC Filing Notes 10 B27B-013/00 Provisional application US 2001275195 US 20020121171 A1 Abstract (Basic): US 20020121171 A1 NOVELTY - Each blade guide assembly (10) comprises a blade guide bracket assembly (30) which supports a pair of opposing rubber rollers (3). The blade guide assembly is attached to an endless bandsaw (1) with double-edged cutting teeth, through bolt. DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following: (1) Blade quide assembly for bandsaw; (2) Blade guide bracket assembly; (3) Thrust roller assembly for bandsaw; and (4) Blade guide reverse thrust roller assembly. USE - Double-edged bandsaw blade. ADVANTAGE - Offers an operator to cut fast, easily irregular-shaped material. The bandsaw runs quickly and cools at faster rate with enhanced life of double-edged bandsaw due to provision of the blade guide assembly. DESCRIPTION OF DRAWING(S) - The figure shows a plan view of the double-edged bandsaw blade. Endless bandsaw (1) Rubber rollers (3) Blade guide assemblies (10) Blade guide bracket assembly (30) pp; 10 DwgNo 2/8 Title Terms: DOUBLE; EDGE; BANDSAW; BLADE; BLADE; GUIDE; ASSEMBLE; ATTACH; ENDLESS; DOUBLE; EDGE; BANDSAW; COMPRISE; BLADE; GUIDE; BRACKET; ASSEMBLE ; PAIR; MUTUAL; OPPOSED; RUBBER; ROLL Derwent Class: P63; X25 International Patent Class (Main): B27B-013/00 International Patent Class (Additional): B23D-053/00 File Segment: EPI; EngPI

3/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014979811 **Image available**
WPI Acc No: 2003-040326/200303

XRPX Acc No: N03-031671

Portable bandsaw has frame which supports motor and transport wheels to state by which center of gravity of bandsaw coincides with cutting edge of bandsaw blade

Patent Assignee: FALBERG W H (FALB-I)

Inventor: FALBERG W H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No Kind Date Applicat No Kind Date Week
US 20020157264 A1 20021031 US 2001275195 A 20010223 200303 B
US 200277536 A 20020215

Priority Applications (No Type Date): US 2001275195 P 20010223; US 200277536 A 20020215

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

Abstract (Basic): US 20020157264 A1

NOVELTY - The bandsaw (10) has multiple transport wheels (20,22,24) driven by a motor (30), and a bandsaw blade (15) extending about the transport wheels in a continuous loop with a predetermined section of the loop functioning as a cutting edge for cutting a workpiece. A frame (50) supports the motor and transport wheels to state by which center of gravity of bandsaw coincides with cutting edge of bandsaw blade.

USE - Portable bandsaw.

ADVANTAGE - Provides a portable bandsaw that is well balanced, turns in either direction with little effort, and offers precise control in cutting along a desired path.

DESCRIPTION OF DRAWING(S) - The figure shows the top perspective view of the bandsaw.

Bandsaw (10)

Bandsaw blade (15)

Transport wheels (20,22,24)

Motor (30)

Frame (50)

pp; 10 DwgNo 1/7

Title Terms: PORTABLE; BANDSAW; FRAME; SUPPORT; MOTOR; TRANSPORT; WHEEL; STATE; GRAVITY; BANDSAW; COINCIDE; CUT; EDGE; BANDSAW; BLADE

Derwent Class: P63

International Patent Class (Main): B27B-013/10

File Segment: EngPI

3/5/3 (Item 3 from file: 350)

DIALOG(R) File 350: Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

008343805 **Image available**
WPI Acc No: 1990-230806/199030

XRPX Acc No: N90-179153

Adjustable drum clamp - comprises rectangular block member having attachment on its inner end surface for securing it to side of drum

Patent Assignee: FALBERG W H (FALB-I)

Inventor: FALBERG W H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No Kind Date Applicat No Kind Date Week US 4939972 A 19900710 US 88269624 A 19881109 199030 B

Priority Applications (No Type Date): US 88269624 A 19881109

Abstract (Basic): US 4939972 A

The adjustable drum clamp is partic. useful for assisting the drummer in executing the difficult rim shot. The clamp is useful also for holding drum accessories such as a microphone or cymbal to the drum and for joining together two drums. The clamp comprises a generally rectangular block member having an attachment on its inner end surface for securing the block to the side of the drum.

The block member is provided with two or more vertically aligned bores in which there a positioned adjustable holding members for holding a drum stick or the like. (7pp Dwg.No.1/10)

Title Terms: ADJUST; DRUM; CLAMP; COMPRISE; RECTANGLE; BLOCK; MEMBER; ATTACH; INNER; END; SURFACE; SECURE; SIDE; DRUM

Derwent Class: P86

International Patent Class (Additional): G10D-013/02

File Segment: EngPI

Set Items Description AU='FALBERG W H' S1 IDPAT (sorted in duplicate/non-duplicate order)
IDPAT (primary/non-duplicate records only) S2 S3 ? show files File 347: JAPIO Oct 1976-2003/Jan(Updated 030506) (c) 2003 JPO & JAPIO File 348: EUROPEAN PATENTS 1978-2003/Apr W04 (c) 2003 European Patent Office File 349:PCT FULLTEXT 1979-2002/UB=20030501,UT=20030424 (c) 2003 WIPO/Univentio File 350: Derwent WPIX 1963-2003/UD, UM &UP=200329 (c) 2003 Thomson Derwent File 371:French Patents 1961-2002/BOPI 200209 (c) 2002 INPI. All rts. reserv.

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10/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

012257932 **Image available**
WPI Acc No: 1999-064038/199906

XRPX Acc No: N99-047608

Horizontal or vertical type band saw machine - has calculating circuit that controls band saw blade to low speed during workpiece cutting process based on detected position of blade on workpiece

Patent Assignee: AMADA CO LTD (AMAC)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No Kind Date Applicat No Kind Date Week
JP 10309624 A 19981124 JP 89105935 A 19890427 199906 B
JP 98173197 A 19890427

Priority Applications (No Type Date): JP 89105935 A 19890427; JP 98173197 A 19890427

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 10309624 A 5 B23D-055/08 Div ex application JP 89105935

Abstract (Basic): JP 10309624 A

The machine has a cutting head (5) with a drive wheel (21) and a following wheel (23). A detector (24) detects a **band saw** blade on the wheels (21,23) of the two **drive** and following **wheels**. A **saw tooth** position sensor (45) detects the position of the blade on a workpiece.

The position of the blade from a start position to cut start position and from the completion position to reset position. A calculating circuit (47) controls the blade to low speed during cutting process of workpiece based on the detection signals from the detector and position sensor.

ADVANTAGE - Improves durability of **band saw** blade by reducing rotation frequency during cutting process. Offers size reduction by reducing wheel span in mechanical system.

Dwg.1/5

Title Terms: HORIZONTAL; VERTICAL; TYPE; BAND; SAW; MACHINE; CALCULATE; CIRCUIT; CONTROL; BAND; SAW; BLADE; LOW; SPEED; WORKPIECE; CUT; PROCESS; BASED; DETECT; POSITION; BLADE; WORKPIECE

Derwent Class: P54; X25

International Patent Class (Main): B23D-055/08

File Segment: EPI; EngPI

10/5/2 (Item 2 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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011770855 **Image available** WPI Acc No: 1998-187765/199817

XRPX Acc No: N98-149394

Saw-tooth constriction prevention method for band saw machine - involves comparing actual current signal with predetermined current signal, based on which driving of saw-toothed blade is reversed so as to prevent saw-tooth constriction

Patent Assignee: AMADA CO LTD (AMAC)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No Kind Date Applicat No Kind Date Week
JP 10043936 A 19980217 JP 96198046 A 19960726 199817 B

Priority Applications (No Type Date): JP 96198046 A 19960726

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 10043936 A 10 B23D-055/00

Abstract (Basic): JP 10043936 A

The method involves detecting the saw-tooth position on a work piece, by a first detector (33). The saw-tooth is actuated by a saw-tooth motor, by a drive wheel and a following roller. The operation current value for the saw-tooth motor at each saw-tooth position, is detected by a second detector (77). The operating current for the workpiece cutting process at each saw-tooth position, is then stored in a memory (85).

The predetermined operating current and the actual operating current at each saw-tooth position is compared by a judgment unit (89). Based on the comparison result, when the current value increases beyond the predetermined pattern, the constriction prevention command is generated. Based on the output command signal, the saw-tooth is reversed temporarily and then moved in forward direction.

ADVANTAGE - Improves work piece processing efficiency. Enables prevention of saw-tooth constriction reliably.

Dwg.1/6

Title Terms: SAW; TOOTH; CONSTRICT; PREVENT; METHOD; BAND; SAW; MACHINE; COMPARE; ACTUAL; CURRENT; SIGNAL; PREDETERMINED; CURRENT; SIGNAL; BASED; DRIVE; SAW; TOOTH; BLADE; REVERSE; SO; PREVENT; SAW; TOOTH; CONSTRICT

Derwent Class: P54; T06; X25

International Patent Class (Main): B23D-055/00

International Patent Class (Additional): B23D-055/08

File Segment: EPI; EngPI

10/5/3 (Item 3 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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010149295 **Image available**
WPI Acc No: 1995-050547/199507

XRPX Acc No: N95-039693

Stone horizontal diamond band saw - comprises sliding machine set which embeds column inside base column to exhibits steel box structure

Patent Assignee: JAN H (JANH-I)

Inventor: JAN H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No Kind Date Applicat No Kind Date Week
TW 235268 A 19941201 TW 94107792 A 19940825 199507 B

Priority Applications (No Type Date): TW 94107792 A 19940825

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

TW 235268 A 36 B28D-001/08

Abstract (Basic): TW 235268 A

The stone horizontal diamond **band saw** comprises a base, a base column and a base beam made of a concrete structure. A sliding machine set embeds a machine column inside the base column. A machine body has left and right machine bodies and exhibits a steel box structure.

A power unit comprises a main motor, a belt wheel set, a shaft shell, a flange and right band wheel. A pressure machine set comprises an expanding mechanism, an air pressure spring, a vibration mechanism, a shaft shell and a left band wheel. A cutting mechanism comprises a saw band, diamond teeth and a guide wheel set.

Dwg.1/15

Title Terms: STONE; HORIZONTAL; DIAMOND; BAND; SAW; COMPRISE; SLIDE; MACHINE; SET; EMBED; COLUMN; BASE; COLUMN; EXHIBIT; STEEL; BOX; STRUCTURE

Derwent Class: P64

International Patent Class (Main): B28D-001/08

File Segment: EngPI

10/5/4 (Item 4 from file: 350)

DIALOG(R) File 350: Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

003638946

WPI Acc No: 1983-J7148K/198326

XRPX Acc No: N83-113529

Sawtooth setting machine - has spring-loaded slide block and conical gear wheels

Patent Assignee: GRUZDEV V I (GRUZ-I)

Inventor: DANILENKO M K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No Kind Date Applicat No Kind Date Week SU 952479 B 19820823 198326 B

Priority Applications (No Type Date): SU 2999227 A 19801029

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

SU 952479 B 5

Abstract (Basic): SU 952479 B

A saw tooth setting machine made with a **toothed drive wheel** with alternate chamfers on both sides of the setting angle of the saw **teeth**, pressure **rollers** with **guides**, an annular groove and a mechanism for moving the teeth, can cater for a wider range of saws, both **bandsaws** and disc-saws, when fitted with guides with slide-blocks spring-loaded w.r.t. the mechanism for tooth feed. The slide-block carries a toothed wheel for setting the teeth and is made in the form of a body whose guides take teeth which carry the traverse screws with conical gearwheels to mesh with the conical gear of the setting drive. Bul.31/23.8.82. (5pp)

Title Terms: SAWTOOTH; SET; MACHINE; SPRING; LOAD; SLIDE; BLOCK; CONICAL; GEAR; WHEEL

Derwent Class: P54

International Patent Class (Additional): B23D-003/04

File Segment: EngPI

10/5/5 (Item 5 from file: 347)

DIALOG(R) File 347: JAPIO

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03939821 **Image available**

BAND SAW HEAD FOR MACHINE TOOL AND SAWCUTTABLE NC COMPOUND MACHINE TOOL

PUB. NO.: 04-304921 [JP 4304921 A]

October 28, 1992 (19921028) PUBLISHED:

KURAOKA NORIMITSU INVENTOR(s):

APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP

(Japan)

03-066024 [JP 9166024] March 29, 1991 (19910329) APPL. NO.: FILED: [5] B23D-053/10; B23Q-037/00 INTL CLASS:

25.2 (MACHINE TOOLS -- Cutting & Grinding) JAPIO CLASS:

JAPIO KEYWORD: R063 (MACHINERY -- Numerical Control Machine Tools, NC); R064

(MACHINERY -- Transfer Machines)
Section: M, Section No. 1379, Vol. 17, No. 120, Pg. 129, JOURNAL:

March 12, 1993 (19930312)

ABSTRACT

PURPOSE: To hold on a frame, a band saw tooth , the driving thereof and a roller for imparting tension, and a driving shaft in a cutting tool shank shape, etc., also to fix this frame on the spindle head of a machine tool and to execute the automatic work of the curved face and the intermediate part having barriers at both sides, etc., with good efficiency.

CONSTITUTION: A band saw head for machine tool is composed of a band driving roller 3, a roller 4 for a band roller 5, a saw tension imparting, a driven tooth guide 6 and driving shaft 7 in a cutting tool shank shape by integrating them respectively. Also the band saw tooth 2 is incorporated in a belt shape between the driving roller and driven roller. Moreover a flange for fitting a main head to the spindle head of a machine tool is provided on the frame saw tooth 2 is then driven by rotating the driving roller 1. The band via the driving shaft 7 according to the rotation of thespindle in the machine tool. On the other hand, a saw cutting that a cut face becomes plane is executed by giving feed to the machine tool.

10/5/6 (Item 6 from file: 347)

DIALOG(R) File 347: JAPIO

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Image available 03539321 BAND SAWING MACHINE

03-202221 [JP 3202221 A] PUB. NO.: PUBLISHED: September 04, 1991 (19910904)

INVENTOR(s): FUKUGAMI GORO MORIYA KIKUO

APPLICANT(s): AMADA CO LTD [330108] (A Japanese Company or Corporation), JP

(Japan)

01-338677 [JP 89338677] APPL. NO.: FILED: December 28, 1989 (19891228)

INTL CLASS: [5] B23D-055/00

JAPIO CLASS: 25.2 (MACHINE TOOLS -- Cutting & Grinding)

JOURNAL: Section: M, Section No. 1185, Vol. 15, No. 473, Pg. 10,

November 29, 1991 (19911129)

ABSTRACT

PURPOSE: To installing a band saw tooth automatically by providing a saw-tooth passage, a saw-tooth suppling means, a saw-tooth carring means, a flash butt welding means and a polishing means, and stretching a band tooth over a driving wheel and a driven

CONSTITUTION: A band saw tooth 21 is supplied to a saw-tooth passage 31 through a saw-tooth suppling part 39 to be carried by a saw-tooth suppling and carrying means 41 along the passage 31. At this stage, when the saw-tooth 21 having the predetermined length is supplied to the saw-tooth supplying part 39 through a measuring roller 49, the saw-tooth 21 is cut by the cooperative movement of cutters 53a, 55a of a cutting device 51. Next, one end of the saw-tooth 21 is held by a clapping device 59 under the condition that it is projected to right at the predetermined length, and the other end of the saw-tooth 21 is held by the clamping device 63 under the condition that it is projected to left at the predetermined length. Next, when a large current is flown to saw-tooth guides 25, 27 to contact one end of the saw-tooth 21 to the other end thereof, a contact part is heated concentlately, and they are welded when the temperature of the contact part reach the optimum temperature. Then, the saw-tooth 21 is flash-welded to be the endless condition. A grinding wheel 95 is rotated to polish a burr of the upper side of the welded part of the saw-tooth 21.

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Description
         Items
Set
          2667
                  BANDSAW?? OR BAND()SAW??
S1
      1015605
                  ROLLER? ? OR WHEEL? ? OR COG? ? OR CAM? ?
S2
S3
      2462302
                  THRUST??? OR GUID???? OR DRIV??? OR PROPEL?
                  TEETH OR SERRAT? OR SAW() TOOTH?? OR SAWTOOTH?? OR SERRULAT?
S4
        271116
                OR DENTAT? OR TOOTHED OR NOTCH???
                  S1 AND S2 AND S3 AND S4
S5
            80
                  S5 AND IC=(B27B OR B23D)
S6
            64
S7
        198068
                  S2(3N)S3
                  S4(3N)S7 AND S1
S8
              6
                  IDPAT (sorted in duplicate/non-duplicate order)
IDPAT (primary/non-duplicate records only);
S9
              6
S-10
? show files
File 347: JAPIO Oct 1976-2003/Jan(Updated 030506)
          (c) 2003 JPO & JAPIO
File 350: Derwent WPIX 1963-2003/UD, UM &UP=200329
          (c) 2003 Thomson Derwent
File 371: French Patents 1961-2002/BOPI 200209 (c) 2002 INPI. All rts. reserv.
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FT Patents

7/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00929291

Method and apparatus for making saw blades

PATENT ASSIGNEE:

Murray, David Ridley Victor, (2430990), 74 Ashgrove, Albrighton, Wolverhampton WV7 3QX, (GB), (Applicant designated States: all)

Murray, David Ridley Victor, 74 Ashgrove, Albrighton, Wolverhampton WV7 3QX, (GB)

LEGAL REPRESENTATIVE:

Swindell & Pearson (101141), 48 Friar Gate, Derby DE1 1GY, (GB) PATENT (CC, No, Kind, Date): EP 846518 A2 980610 (Basic)

EP 846518 A3 000112

APPLICATION (CC, No, Date): EP 97309876 971208;

PRIORITY (CC, No, Date): GB 9625494 961207

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: B23D-065/00

ABSTRACT EP 846518 A2

The apparatus (10) is used for simultaneously making two saw blades (12). A forming station (14) formed by rollers (16A,16B) receives a continuous strip (18) of blade material fed to the forming station (14) by rotation of the rollers (16). The rollers have recesses and projections which are complimentary to each other in order to cut and set saw teeth sequentially in the blades (12), by a substantially continuous operation.

ABSTRACT WORD COUNT: 71

NOTE: Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Withdrawal: 010425 A2 Date application deemed withdrawn: 20000713
Search Report: 20000112 A3 Separate publication of the search report
Application: 980610 A2 Published application (Alwith Search Report
; A2without Search Report)

LANGUAGE (Publication, Procedural, Application): English; English; English

... SPECIFICATION formation of saw teeth on a saw blade.

A conventional saw blade such as a **band** saw consists of a long strip of material such as hard steel, along the edge of...

...at 20 between which the strip 18 locates. A drive motor 24 is used to drive one of the rollers 16, which draws the strip 18 through the nip 20. The strip 18 is formed...to cutting the saw teeth as the strip 18 passes through the nip of the rollers 56, those teeth will also be set alternately to either side of the plane of the blade 12...

...64 around the roller 56, which may be at one or both edges of the **roller** 56 and helps **guide** the strip 18 to the nip 20. Guide flanges of this nature could be incorporated...

7/5,K/2 (Item 2 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS (c) 2003 European Patent Office. All rts. reserv.

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00820463
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SAWING MACHINE

PATENT ASSIGNEE:

Wintersteiger GmbH, (875411), Dimmelstrasse 9, 4910 Ried im Innkreis, (AT), (Proprietor designated states: all)

INVENTOR:

KIVIMAA, Eero, Linnankoskenkatu 15 A, FIN-00250 Helsinki, (FI) KIVIMAA, Antti, Asematie 22 A, FIN-02700 Kauniainen, (FI) LEGAL REPRESENTATIVE:

Hubscher, Helmut, Dipl.-Ing. et al (43481), Patentanwalte Hubscher & Hubscher Postfach 380 Spittelwiese 7, 4021 Linz, (AT)

PATENT (CC, No, Kind, Date): EP 825914 A1 980304 (Basic) EP 825914 B1 020717

WO 9635559 961114

APPLICATION (CC, No, Date): EP 96913566 960513; WO 96FI269 960513 PRIORITY (CC, No, Date): FI 952341 950512; FI 952342 950512

DESIGNATED STATES: AT; CH; DE; FR; GB; LI; SE

INTERNATIONAL PATENT CLASS: B27B-003/00

CITED PATENTS (EP B): EP 412958 A; GB 1240924 A; SE 464468 B; SU 946925 A CITED REFERENCES (EP B):

DERWENT'S ABSTRACT, No. H4288K/22, Week 8322; & SU,A,946 925 (TIMBER MECH SHAPING), 5 August 1982.

DERWENT'S ABSTRACT, No. 94-116092/14, Week 9414; & RU,A,2 004 411 (ARKHAN FORESTRY INST), 15 December 1993.;

NOTE: No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 001018 Al Date of dispatch of the first examination

report: 20000831

Application: 970312 A International application (Art. 158(1))

Grant: 020717 B1 Granted patent

Change: 020116 Al Legal representative(s) changed 20011123

Assignee: 020410 A1 Transfer of rights to new applicant:

Wintersteiger GmbH (875411) Dimmelstrasse 9

4910 Ried im Innkreis AT

Change: 020410 Al Legal representative(s) changed 20020220 Application: 980304 Al Published application (Alwith Search Report

;A2without Search Report)

Examination: 980304 Al Date of filing of request for examination:

971121

LANGUAGE (Publication, Procedural, Application): English; English; Finnish

...SPECIFICATION effected with a control connecting rod, the eccentric movement of which is synchronized with the **drive** crank **wheel** of the machine; — in the cutting plane, the blade set is supported with wide control...by a crank wheel and thereby a flywheel 6 fixed to the shaft, the crank **wheel** being **driven** by a **drive wheel** 7 arranged on the same shaft on the other side of the frame 1 and mounted on the frame, the **drive wheel** in turn being connected with a band 7a to a driving device 8, preferably an...

...blade set is, in turn, mounted on the assembly shaft 2e of the blade set. **Toothed** wheels 10c and 20c fixed to shafts 10b and 20b are moved synchronously via a toothed...

...the figure, D indicates the diameter of the path of the crank 6a in the

drive crank wheel 6 and the stroke length of the blades. Reference d, in turn, indicates the diameter...

...gang saw due to its above advantages and also take up fields of use from band saws and circular

7/5,K/3 (Item 3 from file: 348)

DIALOG(R) File 348: EUROPEAN PATENTS

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00765047

METHOD AND APPARATUS FOR SKIVING BELT ENDS

PATENT ASSIGNEE:

FLEXIBLE STEEL LACING COMPANY, (306660), 2525 Wisconsin Avenue, Downers Grove, IL 60515, (US), (Proprietor designated states: all) INVENTOR:

LOTARSKI, David, A., 629 Cambridge Way, Bolingbrook, IL 60440, (US) VOGRIG, Joseph, C., 5 S 580 Allison Lane, Naperville, IL 60540, (US) LEGAL REPRESENTATIVE:

Schmidt, Christian, Dipl.-Phys. (76643), Manitz, Finsterwald & Partner GbR Postfach 31 02 20, 80102 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 779852 Al 970625 (Basic)

EP 779852 A1 980909 EP 779852 B1 021030 WO 96007517 960314

APPLICATION (CC, No, Date): EP 95929642 950823; WO 95US10723 950823 PRIORITY (CC, No, Date): US 301696 940907; US 467589 950606

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: B26D-003/28; B26D-003/06

CITED PATENTS (EP B): EP 240972 A; DE 3423396 A; DE 3732059 A; DE 1153510 B; FR 2149169 A; GB 827810 A; GB 2009016 A; GB 2227703 A; US 346651 A; US 521048 A; US 641791 A; US 1692755 A; US 2040364 A; US 3605534 A; US 4315450 A; US 4656910 A; US 4991482 A

NOTE: No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 010328 Al Date of dispatch of the first examination

report: 20010208

Application: 960619 A International application (Art. 158(1))

Grant: 021030 B1 Granted patent

Application: 970625 A1 Published application (Alwith Search Report

;A2without Search Report)

Examination: 970625 Al Date of filing of request for examination:

970402

Change: 980805 Al Obligatory supplementary classification

(change)

Search Report: 980909 Al Drawing up of a supplementary European search

report: 980720

LANGUAGE (Publication, Procedural, Application): English; English; English

...SPECIFICATION m, a width of 1.6 m and a length of 60 m. A rotating band saw blade is utilized to cut longitudinal layers of foam from the top of the foam...

...with a pair of rollers defining a nip to receive the belt and providing a driving roller mounted on the carriage that will not slip on the belt as the driving roller is turned to propel the carriage across the belt

with the skiving blade cutting tough conveyor belt material. The illustrated driving roller is formed with teeth that grip the strip being skived. Rotation of the toothed driving roller advances the carriage relative to the belt to advance the belt through the rollers and ...to the belt and propel the carriage across the belt end with one set of rollers providing the driving force to cut the last portion of the belt after the belt has passed through the nip of the other set of rollers. The rollers may be driven by operation of a ratchet wrench or a power tool to shift the carriage along...

...the skiving apparatus of FIG. 9, showing a manually driven ratchet arm connected to a **drive roller**;

FIG. 19 is a rear elevational view of the skiving apparatus of FIG. 9, showing...such as tooth surface, and is driven. As shown in FIG. 6, the first illustrated **driving roller** 24 has **teeth** 52 that puncture an upper surface area of the belt, which area is being skived...

...rollers shown in FIGS. 9-11 are extruded aluminum rods that are severed into the rollers. The driving roller is located on the carriage closely adjacent the cutting blade and a pinch roller 26 for the driving roller0, thereby eliminating the long winch cables or racks on long bases of the prior art skiving devices.

More specifically the **driving roller** 24 and pressure roller 26 are pressed together against respective upper and lower faces 30...

...is required as in the prior apparatus. Since the belt is clamped securely by the **toothed roller** 24 and pinch roller 26 which are disposed adjacent the blade 34, there is little...

7/5,K/4 (Item 4 from file: 348)

DIALOG(R) File 348: EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00486999

An apparatus for sharpening saw blades.

PATENT ASSIGNEE:

Hutchinson, Ben Maxwell, (1404630), 40 Glenview Road, Mooloolah, Queensland 4553, (AU), (applicant designated states:

AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE)

INVENTOR:

Hutchinson, Ben Maxwell, 40 Glenview Road, Mooloolah, Queensland 4553, (AU)

LEGAL REPRESENTATIVE:

Low, Peter John et al (33282), Wilson, Gunn, M'Caw & Co., 41-51 Royal Exchange, Cross Street, Manchester, M2 7BD, (GB)

PATENT (CC, No, Kind, Date): EP 473364 A1 920304 (Basic) EP 473364 B1 950215

APPLICATION (CC, No, Date): EP 91307736 910822;

PRIORITY (CC, No, Date): AU 901970 900827

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE INTERNATIONAL PATENT CLASS: B23D-063/10; B23D-063/12; B23D-063/14;

CITED PATENTS (EP A): FR 2451793 A; FR 2451793 A; FR 1114260 A; FR 1114260 A; GB 794234 A; GB 13008 A; US 3427903 A; US 2490244 A; US 4018107 A

ABSTRACT EP 473364 A1

A sharpening apparatus (10) is disclosed. The apparatus (10) has a pivot arm (18) for pivotal movement about shaft (21) extending transversely of the apparatus. The location of shaft (21) is variable to suit a variety of hook angles of the blade (33) (see image in original document).

ABSTRACT WORD COUNT: 50

```
LEGAL STATUS (Type, Pub Date, Kind, Text):
                  020619 B1 Date of lapse of European Patent in a
 Lapse:
                            contracting state (Country, date): AT
                            19950215, BE 19950215, CH 19950215, LI
                            19950215, DK 19950215, ES 19950215, FR
                            19950713, GR 19950215, IT 19950215, LU
                            19950831, NL 19950215, SE 19950515,
 Lapse:
                  20000202 B1 Date of lapse of European Patent in a
                            contracting state (Country, date): AT
                            19950215, BE 19950215, CH 19950215, LI
                            19950215, DK 19950215, FR 19950713, GR
                            19950215, IT 19950215, LU 19950831, NL
                            19950215, SE 19950515,
                  920304 Al Published application (Alwith Search Report
 Application:
                             ; A2without Search Report)
                  20000209 B1 Date of lapse of European Patent in a
 Lapse:
                            contracting state (Country, date):
                            19950215, BE 19950215, CH 19950215, LI
                            19950215, DK 19950215, FR 19950713, GR
                            19950215, IT 19950215, LU 19950831, NL
                             19950215, SE 19950515,
 Examination:
                  921104 A1 Date of filing of request for examination:
                             920901
 Examination:
                  930804 Al Date of despatch of first examination report:
                             930617
                  950215 B1 Granted patent
 Grant:
                  950830 Bl Date of lapse of the European patent in a
 Lapse:
                            Contracting State: CH 950215, LI 950215
 Lapse:
                  950830 B1 Date of lapse of the European patent in a
                            Contracting State: CH 950215, LI 950215
 Lapse:
                  951004 Bl Date of lapse of the European patent in a
                            Contracting State: AT 950215, CH 950215, LI
                             950215
                 951206 B1 Date of lapse of the European patent in a
 Lapse:
                            Contracting State: AT 950215, CH 950215, LI
                             950215, NL 950215
 Lapse:
                  951227 B1 Date of lapse of the European patent in a
                            Contracting State: AT 950215, CH 950215, LI
                             950215, FR 950713, NL 950215
 Lapse:
                  960124 B1 Date of lapse of the European patent in a
                            Contracting State: AT 950215, BE 950215, CH
                             950215, LI 950215, FR 950713, NL 950215, SE
                             950515
                  960124 B1 Date of lapse of the European patent in a
 Lapse:
                            Contracting State: AT 950215, CH 950215, LI
                             950215, FR 950713, NL 950215, SE 950515
 Oppn None:
                  960207 B1 No opposition filed
                  980408 B1 Date of lapse of the European patent in a
 Lapse:
                            Contracting State: AT 950215, BE 950215, CH
```

950215, LI 950215, DK 950215, FR 950713, NL

950215, SE 950515

Lapse:

991020 B1 Date of lapse of European Patent in a contracting state (Country, date): AT 19950215, BE 19950215, CH 19950215, LI 19950215, DK 19950215, FR 19950713, IT 19950215, NL 19950215, SE 19950515,

LANGUAGE (Publication, Procedural, Application): English; English; English

...SPECIFICATION apparatus for sharpening saw blades. In particular the invention relates to an apparatus for sharpening band saw , frame saw or circular saw blades.

The invention will be described by way of example with reference to sharpening band saw blades although, as mentioned above, it may equally be employed for sharpening other saw blades...

...machine which has the ability to intermittently coordinate the sharpening wheel with the indexing of **teeth** by employing **cams**. The cutting head is mounted for pivotal movement about an axis transverse to the axis...about an axis normal to the plates. The head 14 has a sharpening disc or **wheel** 15 **driven** by motor 16. Motor 16 is mounted to mounting arm 17 which in turn is...sleeve 21 and normal to the plates.

The head 14 has a sharpening disc or wheel 15 driven by motor 16. Head 14 is mounted to arm 18 and the sleeve 21 secured...

...CLAIMS 18) and for reciprocating the feed assembly.

8. The apparatus of claim 6 wherein said **drive** has a first **cam** (32) causing pivotal movement of the pivot arm and a second cam (33) for reciprocating...

7/5,K/5 (Item 5 from file: 348)

DIALOG(R) File 348: EUROPEAN PATENTS

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00272691

Apparatus for sawing turkey breasts and other objects.

PATENT ASSIGNEE:

OSCAR MAYER FOODS CORPORATION, (592600), 910, Mayer Avenue, Madison Wisconsin 53707, (US), (applicant designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Adkison, Frank Leeroy, 111 West Patterson Street, Winfield Iowa 52659, (US)

LEGAL REPRESENTATIVE:

Eyles, Christopher Thomas et al (30482), W.P. THOMPSON & CO. High Holborn House 52-54 High Holborn, London WC1V 6RY, (GB)

PATENT (CC, No, Kind, Date): EP 275637 A2 880727 (Basic)

EP 275637 A3 900307 EP 275637 B1 930331

APPLICATION (CC, No, Date): EP 87310196 871119;

PRIORITY (CC, No, Date): US 5417 870120

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE INTERNATIONAL PATENT CLASS: B26D-007/30; B26D-007/06;

CITED PATENTS (EP A): US 4441537 A

ABSTRACT EP 275637 A2

A conveyorized machine (5) that operates to automatically advance

objects of generally the same shape and weight, particularly breasts of turkey, to a scale platform (8) which is retractable below the conveyor (7) and elevatable above the conveyor (7). On the scale platform (8) the object is automatically positioned to a desired location relative to a vertically running band saw blade (14). In one mode of the machine (5) the desired location will result in the object being sawed or severed into two portions of equal weight. In another mode the desired location will result in the object being sawed or severed into one portion of a predetermined weight and a second portion being the remainder of the object. After the object has been positioned in the desired position on the scale platform (8), the platform retracts or lowers below the level of the conveyor (7) and the object is then conveyed past the band blade (14) and the resulting two severed portions are conveyed to the discharge end (20) of the machine (5). Preferably, a hold-down mechanism (11) is provided to securely hold the object in its desired position on the conveyor (7) as it passes by the saw blade (14).

ABSTRACT WORD COUNT: 207

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880727 A2 Published application (Alwith Search Report

;A2without Search Report)

Change: 890104 A2 Representative (change)
Change: 890308 A2 Representative (change)

Search Report: 900307 A3 Separate publication of the European or

International search report

Examination: 901017 A2 Date of filing of request for examination:

900822

Examination: 910911 A2 Date of despatch of first examination report:

910726

Change: 920729 A2 Representative (change)

Grant: 930331 B1 Granted patent
Oppn None: 940323 B1 No opposition filed

LANGUAGE (Publication, Procedural, Application): English; English

...SPECIFICATION This known machine includes a horizontal conveyor which passes on both sides of a vertical **band** saw blade. An operator places a turkey **breast** on the feed end of the conveyor in a location between the sides of the conveyor...

...said conveyor driving means, with said scale platform means elevating and retracting means, with said **roller drive** means, and said sensing means whereby when an object to be severed is placed on...

7/5,K/6 (Item 6 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00941115 **Image available**

METHODS AND APPARATUS FOR SEVERING NESTED STRINGS OF TUBULARS

Patent Applicant/Assignee:

WEATHERFORD LAMB INC, 515 Post Oak Boulevard, Suite 600, Houston, TX 77027, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

HARDING Richard Patrick, 4220 Nash Court, Oxford Business Park South, Oxford, Oxfordshire OX4 2RU, GB, GB (Residence), GB (Nationality), (Designated only for: US)

FOTLAND Per, Grasholmringen 5B, N-4085 Hundvaag, NO, NO (Residence), NO (Nationality), (Designated only for: US)

AKERLUND Tor Jan, Askidsbeen 3, N-4033 Forus, NO, NO (Residence), NO (Nationality), (Designated only for: US)

Legal Representative:

HARDING Richard Patrick (et al) (agent), Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford, Oxfordshire OX4 2RU, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200275097 A2-A3 20020926 (WO 0275097)
Application: WO 2002GB1339 20020320 (PCT/WO GB0201339)

Priority Application: US 2001277439 20010320

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: E21B-029/00

International Patent Class: E21B-029/12

Publication Language: English

Filing Language: English

English Abstract

The present invention provides an apparatus and method for severing casing as it is pulled from a wellbore. An apparatus (100) is provided, comprising a clamping assembly (130), a drilling assembly (150) and a cutting assembly (120). In one aspect, the apparatus is disposed at the end of a telescopic arm (110), with the components being remotely operated by personnel using a control panel (125). The apparatus can be positioned adjacent casing (200') and clamped thereto. Thereafter, the apparatus can drill a hole completely through the casing for the insertion of a retention pin. The apparatus can then severe the casing into manageable lengths to facilitate disposal, such as during a plugging and abandonment procedure.

Legal Status (Type, Date, Text)

Publication 20020926 A2 Without international search report and to be republished upon receipt of that report.

Examination 20021212 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20030206 Late publication of international search report Republication 20030206 A3 With international search report.

Detailed Description

... the inner casing string and cement therearound is anchored to the larger outer string, a **band saw** is used to cut the severed tubular into a predetermined length. The **band saw** operates with coolant to avoid the use of high temperature cutters or the production of...

Claim

- ... 10. An apparatus as claimed in any preceding claim, wherein the cutting assembly includes a **band saw** comprising:
 - a blade having a plurality of teeth;
 - at least two wheels about which the blade is tracked; and
 - a housing for the at least two wheels...

...of the housing through which the blade is received; the first and second pairs of **roller** members **guiding** the blade to cut the casing at an angle substantially perpendicular to the longitudinal axis...

7/5,K/7 (Item 7 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00923270 **Image available**

SAW SHARPENING MACHINE WITH PITCH PRE-MEASUREMENT AND FEEDBACK CONTROL FOR SAW BLADE INDEXING

Patent Applicant/Assignee:

PACIFIC HOE SAW & KNIFE COMPANY, 2700 SE Tacoma, PORTLAND, OR 97202-8941, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

BROWN Ernest W, 1113 East 18th, Texarkana, AR 71854, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

FERRIS Kassim M (agent), Stoel Rives LLP, 900 SW Fifth Avenue, Suite 2600, Portland, OR 97204-1268, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200257043 A1 20020725 (WO 0257043)

Application: WO 2001US50286 20011221 (PCT/WO US0150286)

Priority Application: US 2000257401 20001222

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: B23D-063/12

Publication Language: English

Filing Language: English

English Abstract

saw profiling machine (50) includes an indexing mechanism (120) having a feed finger (292) mechanically linked to a caliper finger (300) for reciprocating movement therewith. The caliper finger (300) is urged toward the feed finger (292) during an indexing movement of the indexing mechanism (120) to measure the spacing between adjacent teeth of a **band** saw blade on-the-fly (130) and concurrently with advancement and sharpening of the saw blade. The tooth spacing measurement is then saw sharpening machine to provide feedback for a used in the band subsequent indexing movement of the indexing mechanism (120), to accurately position the band saw blade for sharpening of a row of teeth. A control unit (322) of the sharpening machine (50) accepts input of shape factors from an operator that define the pattern of motion of the indexing mechanism, the grinding wheel, or both, for sharpening of irregular tooth shapes.

Legal Status (Type, Date, Text)
Publication 20020725 Al With international search report.

Publication 20020725 Al Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20021128 Request for preliminary examination prior to end of 19th month from priority date

Detailed Description

... blades and, in particular, to a mechanism for accurately indexing and profiling the teeth of **band** saw blades of the type used in lumber mills. The invention has special utility for **band** saws with variable pitch tooth spacing.

...a back side of the adjacent tooth is also sharpened. The indexing mechanism and grinding wheel may be driven and timed by a cam assembly or by a CNC controller that operates linear or rotary actuators. In prior-art band saw profiling machines the indexing movement of the blade and the plunging movement of the grinding...

...indexing movement of the indexing mechanism to measure the spacing between adjacent teeth of a **band saw** blade on-the-fly and concurrently with advancement of the saw blade. The tooth spacing measurement is then used in the **band** saw sharpening machine to provide feedback for a subsequent indexing movement of the indexing mechanism, to accurately position the bond saw blade for sharpening of a row of **teeth**. A grinding **wheel** is **driven** under computer control to plunge toward a centerline of the saw blade and grind a...

7/5,K/8 (Item 8 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00825412 **Image available**

METHOD OF MANUFACTURING COATED TIMBER PROCEDE DE FABRICATION DE BOIS REVETU

Patent Applicant/Inventor:

NIEDERMAIR Siegfried, 52 Willowgrove Blvd., Sharon, Ontario LOG 1VO, CA, CA (Residence), CA (Nationality)

Legal Representative:

RICHES MCKENZIE & HERBERT LLP (agent), Suite 2900, 2 Bloor Street East, Toronto, Ontario M4W 3J5, CA,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200158663 A1 20010816 (WO 0158663)

Application: WO 2000CA1324 20001103 (PCT/WO CA0001324)

Priority Application: CA 2298248 20000208

Parent Application/Grant:

Related by Continuation to: US 2000537166 20000329 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

- (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
- (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
- (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
- (EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: B29C-047/02

International Patent Class: E01B-003/10

Publication Language: English Filing Language: English

English Abstract

A composite timber product having a wooden core (40) and an outer layer of thermoplastic material, preferably Linear High Density Polyethylene, encapsulating the wooden core to protect the same. The composite timber product is produced by an extrusion method involving pushing the wood core through a crosstie (72) extruder in which the coating layer (46) is preferably foamed.

Legal Status (Type, Date, Text) Publication 20010816 Al With international search report.

Detailed Description

... including by way of non-limiting examples, by removing side and end layers with a band saw , rotary saw blade, surface planer or by sanding. The applicant has found that most preferably...apply the coating 46. " ' Figure 8 shows the extruder 66 in top view as including serrated in feed rollers 68, rectangular feed bore 70, a cross head die 72 having a die opening 75...

...53 in abutting contact, substantially preventing the movement of the thermoplastic coating material therebetween.

The serrated rollers 68 are used to push the array of core members 40 through the bore 70 and past the die opening 75. The serrations on the rollers 68 advantageously leave indentations along the sides 48a,48b,48c,48d which assist in the...

(Item 9 from file: 349) 7/5,K/9

DIALOG(R) File 349: PCT FULLTEXT

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Image available 00404829

HARVESTING AND PROCESSING GREEN FIBROUS PLANT STALKS RECOLTE ET TRAITEMENT DE TIGES DE PLANTES VERTES FIBREUSES

Patent Applicant/Assignee:

AUSTRALIAN HEMP COMPANY LIMITED,

MIERISCH Charles George,

Inventor(s):

MIERISCH Charles George,

Patent and Priority Information (Country, Number, Date):

WO 9745573 A1 19971204 Patent:

WO 97AU329 19970523 (PCT/WO AU9700329) Application:

Priority Application: AU 96104 19960524

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN

MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU GH

KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB

GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: D01B-001/14

International Patent Class: A01D-45:00; A01D-91:04

Publication Language: English

English Abstract

Methods and apparatus for processing a green plant stalk having a fibrous outer part and an inner hurd are disclosed. The method includes the steps of facilitating rupture of bonds between the fibre and the hurd in a bond rupturing step, splitting the stalk substantially longitudinally to expose the hurd, and decorticating the split stalk (30a, 30b) to separate the fibre from the hurd. The apparatus includes bond rupture means to facilitate the rupture of bonds between the fibre and the hurd, counter-rotating pressing rollers (39, 40), splitting means (41) for splitting the stalk substantially longitudinally and decorticating means (50) for thesplit stalk to separate the fibre from the hurd. A plant stalk tobe processed according to processing methods and apparatus may be a hemp stalk. A particularly preferred hemp is that of the genus Cannabis sativa L and species thereof. Methods and apparatus for harvesting and processing a bast crop are also disclosed.

Detailed Description

... invention may take any suitable form. In one embodiment the splitting means comprises a flying band saw or reciprocating knife whereby to split a stalk longitudinally. Other splitting means are envisaged as... the stalk is drawn on to the roller surface by the vacuum. A further rotating roller such as a toothed roller associated with the vacuum roller may be positioned so as to strip the hurd from...

7/5,K/10 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

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00398890 **Image available**

APPARATUS FOR REMOVING SPINAL COLUMN MATERIAL
APPAREIL POUR RETIRER LA MATIERE D'UNE COLONNE VERTEBRALE

Patent Applicant/Assignee:

MEAT & LIVESTOCK COMMISSION,

GOODMAN John David,

WALKER Geoffrey Ernest,

ROBERTS John,

Inventor(s):

GOODMAN John David,

WALKER Geoffrey Ernest,

ROBERTS John,

Patent and Priority Information (Country, Number, Date):

Patent:

WO 9739633 A1 19971030

Application:

WO 97GB563 19970228 (PCT/WO GB9700563)

Priority Application: GB 968377 19960423; GB 9614870 19960715

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN

MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU GH

KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB

GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: A22B-005/20

Publication Language: English

English Abstract

There is described a saw for removing spinal column material from cattle carcasses in order to avoid exposing spinal column material, thereby avoiding such material coming into contact with the saw, the operator or

the meat, thereby eliminating any possibility of the spread of Bovine Spongiform Encephalopathy (BSE) by contact with such material. The saw comprises a housing (10) comprising a first and a second part (12, 14), each including one of a pair of bandsaw frames (15, 17) that are arranged in a generally mutually parallel spaced-apart relationship. Each frame (15, 17) carries a looped bandsaw blade having a cutting section 6. The apparatus can be moved along the length of a carcass to cause the blades simultaneously to cut the carcass either side of the spinal column into three longitudinal portions comprising an inner portion containing spinal column material and two outer portions containing substantially no spinal column material. The saw also has at least one connector (e.g. a hinge 30 and a pneumatic cylinder 36) for holding the housing parts (12, 14) firmly with respect to each other in such a way that the saw blades in the cutting sections (6) are spaced apart by a predetermined gap (38); the connectors are releasable to allow the housing parts (12, 14) to be moved outwardly relative to each other, which is desirable to permit the saw to be separated from a carcass and to simplify the changing of the bandsaw blades.

Detailed Description

...held rigidly by cross-pieces 28 to the top frame members 16. The rear tension wheels 9 are each driven via respective gearboxes (not shown in detail but indicated by the reference numeral 3) by be powered in any other way. The motors 4 cause the respective bandsaw blades 18 to circulate around the tension wheels 8 of each bandsaw frame 15,17 to bring successive parts of the blade into the cutting section 6...

7/5,K/11 (Item 11 from file: 349) DIALOG(R)File 349:PCT FULLTEXT (c) 2003 WIPO/Univentio. All rts. reserv.

00326168

ROTATABLY SUPPORTED REGENERATIVE FLUID TREATMENT WHEEL ASSEMBLIES

Patent Applicant/Assignee:

ENGELHARD ICC,

Inventor(s):

MARK Henry Y,

HEYWOOD James A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9608678 A1 19960321

Application: WO 95US11643 19950915 (PCT/WO US9511643)

Priority Application: US 94134 19940916

Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR

GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: F23L-015/02

International Patent Class: F16K-41:06; F16H-07:00; F16H-07:12

Publication Language: English

English Abstract

Rotatably supported, regenerative fluid treatment wheel assemblies include a wheel (32) with circumferential rim (34) and track (36), a housing (38) in which the wheel (32) is disposed and a plurality of rollers (42) disposed within the housing (38) in rolling engagement with the track (36) to locate the wheel (42) axially and radially within the

housing (38). Sealing flanges (52) are provided projecting radially outwardly from the rim (34) and are opposed by flexible seals (54) which are clip (54b) mounted to walls (40) of the housing (38) surrounding openings (40a, 40b) through those walls (40) which are aligned with the wheel (32). At least one wheel (42) is spring loaded which compensates for any eccentricity in the belt (72) **driven** regenerative **wheel** (32). A mounting plate (86), flange-mounted motor (76), drive pulley (74) and a spring loaded idler pulley (80) are provided for easy installation and removal.

Detailed Description

The mechanical subsystems which envelop the core section of each wheel are extremely...mechanism 70 includes a flexible member 72, preferably a belt, which encircles the regenerative treatment wheel 32 in driving engagement with the wheel 32, specifically the rim 34 of the wheel. Drive mechanism 70 further include a drive member 74 within the housing 38 in driving engagement...is larger than the diameter of the wheel, using a cutting device such as a band saw, after what will be the center of the core is rotatably mounted on a support...wheel rim 34 contacted by the flexible member 72, it is not necessary to provide teeth on the wheel. However, teeth could be provided, if desired, and could be added to an extrusion by mechanical and...

7/5,K/12 (Item 12 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00234706 **Image available**

SAW, IN PARTICULAR FOR USE WHEN CUTTING CARCASES SUCH AS PORKERS AND CATTLE

Patent Applicant/Assignee:

GRONKJAER MASKINVAERKSTED,

GRONKJAER Flemming,

Inventor(s):

GRONKJAER Flemming,

Patent and Priority Information (Country, Number, Date):

Patent:

WO 9308966 A1 19930513

Application:

WO 92DK316 19921102 (PCT/WO DK9200316)

Priority Application: DK 180391 19911101

Designated States: AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR LK LU MG MN MW NL NO PL RO RU SD SE US AT BE CH DE DK ES FR GB GR IE IT LU MC

NL SE BF BJ CF CG CI CM GA GN ML MR SN TD TG

Main International Patent Class: B27B-013/00 International Patent Class: A22C-17:00

Publication Language: English

English Abstract

The saw, which in particular is for use when cutting carcases such as porkers and cattle, has a continuous saw blade (6) led round a **driving** wheel (2). The other end of the blade is guided in two fixed abutments (8) presenting therebetween a free operative length of the saw blade. The blade is pulled by a belt, a band or the like (10) pressing it against the **driving** wheel when the belt or band be tightened. The curve of the operative length of the saw blade can be adjusted in the fixed abutments. The complete saw is suspended from two axes perpendicular to each other.

Detailed Description

...that the blade is forced against the intended part of the circum ference of the **driven wheel**, Cleaning is essential among others within the slaughterhouse industry and it appears that the use...

...area between these can be adjusted to different curvatures.

The blade is forced against the **driven** wheel by a toothed belt 10, the toothed side of which is in contact with the blade. As indicated the band is overlaying the upper part of the **driven** wheel and follows the blade outside the **driven** wheel at a distance in the downward direction until two fixed turning ...the toothed belt on the majority of the length of the free distance between the **driven** wheel and the arms, The toothed belt can be tightened by the ten sion pulley 14...

7/5,K/13 (Item 13 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00206072 **Image available**

METHOD AND PLANT FOR POSITIONING LOGS IN CONNECTION WITH THE SHAPING OF CANTS

Patent Applicant/Assignee:

SODERHAMNS VERKSTADER AB,

PERSSON Roland,

Inventor(s):

PERSSON Roland,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9203266 A1 19920305

Application: WO 91SE456 19910625 (PCT/WO SE9100456)

Priority Application: SE 902741 19900827

Designated States: AT AT AU BB BE BF BG BJ BR CA CF CG CH CH CI CM CS DE DE DK DK ES ES FI FR GA GB GB GN GR HU IT JP KP KR LK LU LU MC MG ML MR MW

NL NL NO PL RO SD SE SE SN SU TD TG US

Main International Patent Class: B27B-031/06

Publication Language: English

English Abstract

In a method for positioning logs in connection with the shaping of cants in a cant-shaping device (1), the individual log (3) is fed in its longitudinal direction through a turning device (2) serving to rotate the log, when continuously fed, to a rotational position which later gives an optimum yield of wood. The curved shape of the log is optically read by reading equipment (21, 22), and data on the log shape recorded by this equipment is processed in a picture-processing device or computer. The latter is made to transmit control pulses to the turning device (2) so that this device, after receiving the front end of the log, is capable of rotating the log not only through the angle of rotation required to enable a complete reading of the log shape, but also through the angle of rotation required to rotate the log to the optimum rotational position before the rear end of the log leaves the turning device.

Detailed Description

... the turning device, the log is maintained in place by special means, e.g. rubber wheels applying a lateral pressure

against the upper side of the log. Such wozk is, however...of milling operation, The cant-shaping device or station 1 further comprises a pair of band saws 7, ...device and, at least partly, taking over the feeding function of the conveyor (the spike rollers are advantageously driven so as to give essentially the same feed ing rate as the conveyor). When the...in a different manner, i,e. comprise other shaping means than a canter and two band saws. Moreover, it should be emphasised that the curve of the log 3 is not necessarily...

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Set
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                 Description
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S1
           780
                 ROLLER? ? OR WHEEL? ? OR COG? ? OR CAM? ?
S2
       255507
                 THRUST??? OR GUID???? OR DRIV??? OR PROPEL?
$3
       638090
S4
       115856
                 TEETH OR SERRAT? OR SAW() TOOTH?? OR SAWTOOTH?? OR SERRULAT?
               OR DENTAT? OR TOOTHED OR NOTCH???
                 S2(3N)S3 AND S2(3N)S4 AND S1
S5
            13
       13 IDPAT (sorted in duplicate/non-duplicate order)
13 IDPAT (primary/non-duplicate records only)
S6
? show files
File 348:EUROPEAN PATENTS 1978-2003/Apr W04
          (c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20030501,UT=20030424
          (c) 2003 WIPO/Univentio
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File 411: DIALINDEX (R)

DIALINDEX(R)

(c) 2003 The Dialog Corporation plc

*** DIALINDEX search results display in an abbreviated ***

*** format unless you enter the SET DETAIL ON command. ***

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s bandsaw? ?

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             534
                    573: Piers Imports (US Ports) 2003/May W1
             399
                    654: US PAT.FULL. 1976-2003/May 06
             392
                     50: CAB Abstracts_1972-2003/Apr
             379
                    148: Gale Group Trade & Industry DB 1976-2003/May 07
             258
                    505: Asian Co. Profiles 2003/May
                     16: Gale Group PROMT(R) 1990-2003/May 07
             244
                    340: CLAIMS(R)/US Patent 1950-03/May 01
             190
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342: Derwent Patents Citation Indx 1978-01/200282

Ref

N1

N2

N3

N4 **N5**

N6 N7

И8

Ν9

182

N10 173 993: NewsRoom 2002/Jan-Dec 256 files have one or more items; file list includes 553 files.

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Ref	Ιt	ems	File	
N11		164	· 345:	<pre>Inpadoc/Fam.& Legal Stat_1968-2003/UD=200316</pre>
N12		161	112:	UBM Industry News 1998-2003/May 08
N13		155	15:	ABI/Inform(R) 1971-2003/May 07
N14		131	194:	FBODaily 1982/Dec-2003/Jan
N15		129	545:	Investext(R) 1982-2003/May 08
N16		121	262:	CBCA Fulltext 1982-2003/May
N17		110	994:	NewsRoom 2001
N18		106	727:	Canadian Newspapers 1990-2003/May 08
N19		103	571:	Piers Exports(US Ports) 2003/May W1
N20		102	484:	Periodical Abs Plustext 1986-2003/May W1
256	files	have	one or	r more items; file list \overline{i} ncludes 553 files.

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Ref	I;	tems	File	•
<u></u>				
N21		98	416:	Dialog Company Name Finder(TM)_2003/Mar
N22		98	995:	NewsRoom 2000
N23		96	349:	PCT FULLTEXT_1979-2002/UB=20030501,UT=20030424
N24		95	20:	Dialog Global Reporter 1997-2003/May 08
N25		. 94	88:	Gale Group Business A.R.T.S1976-2003/May 07
N26		89	348:	EUROPEAN PATENTS 1978-2003/Apr W04
N27	•.	82		US Patents Fulltext_1971-1975
N28		80	8:	Ei Compendex(R) 1970-2003/Apr W4
N29		74	160:	Gale Group PROMT(R) 1972-1989
и30		74	225:	DIALOG(R):Domain Names
256	files	have	one or	more items; file list includes 553 files.

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Ref	Items	File	
N31 [']	72	47:	Gale Group Magazine DB(TM) 1959-2003/May 06
N32	70	440:	Current Contents Search(R) 1990-2003/May 08
N33	68	635:	Business Dateline(R) $1985-\overline{2}003/\text{May}$ 07
N34	65	515:	Dun's Elec. Bus. Dir.(TM) 2003/Apr
ท35	65	516:	D & B - Duns Market Identifiers 2003/Apr
и36	64	781:	ProQuest Newsstand 1998-2003/May 07
N37	57	144:	Pascal 1973-2003/Apr W4
и38	55	621:	Gale Group New Prod. Annou. (R) 1985-2003/May 07
N39	50	990:	NewsRoom Current 2003/May 08
N40	. 49	10:	AGRICOLA 70-20037Apr
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256 files have one or more items; file list includes 553 files.

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Ref	Item	s File	ł
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N41	4	8 564:	ICC Brit.Co.Ann.Rpts 1984-2003/May 04
N42	4	7 420:	UnCover 1988-2001/May 31
N43	4	6 120:	U.S. Copyrights 1978-2003/May
N44	4	5 34:	SciSearch(R) Cited Ref Sci 1990-2003/May W1
N45	4	5 519:	D&B-Duns Finan.Records Plus(TM) 2003/Jan
N46	4	3 9:	Business & Industry(R) Jul/1994-2003/May 07
N47	. 4	3 435:	Art Abstracts 1984-2003/Mar
N48	4	1 203:	AGRIS 1974-2003/Apr
N49	3	4 636:	Gale Group Newsletter DB(TM) 1987-2003/May 07
ท50	3	3 180:	Federal Register 1985-2003/May 07
256	files ha	ve one o	r more items; file list includes 553 files.

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FTNPL

9/3,K/1 (Item 1 from file: 148)

DIALOG(R) File 148: Gale Group Trade & Industry DB (c) 2003 The Gale Group. All rts. reserv.

05490811 SUPPLIER NUMBER: 11325263 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Sawing technology buyers' guide. (buyers guide)

Forest Industries, v118, n7, p23(2)

Sept, 1991

... 9501. Tlx. 360712. Fax (503) 234-3506. Sales contact: Don Mason, West Coast Sales Manager.

Bandsaws , circular edger saws, inserted tooth saws, chisel-tooth saws, bits and shanks, chipper/counter/planer knives, filing room equipment, Stellite-brand tipping equipment, thin-kert guide systems, grinding wheels , carbide tips, cut-off teeth .

Circle No. 21

Peerless Saw Co. 4353 Directors Blvd., Groveport, Ohio 43125. Tel. (614) 836...

9/3,K/2 (Item 2 from file: 148)

DIALOG(R) File 148: Gale Group Trade & Industry DB (c) 2003 The Gale Group. All rts. reserv.

04534474 SUPPLIER NUMBER: 08563571 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Performance sawing: advances in saw bands, hacksaw blades, and circular
saws team with new computer-controlled machines to bring sawing into the
90s. (includes related articles) (Metalcutting)

Emerson, Charles

American Machinist, v134, n1, p77(5)

Jan, 1990

ISSN: 1041-7958 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

... review of some basics of the metalcutting technique. Bandsawing basics

Although a saw band has **teeth** like a milling cutter (almost) and, in effect, does much the same job as a milling cutter, there are special restraints on a **bandsaw** blade. The blade—must flex around two **drive**... wheels—in the machine, which means flexing from side to side. The blade flexes as the **guides** twist it to the required angle and position above and below the cut in the...accurate cuts, it also tends to increase friction and jamming, which reduce band life.

Bimetal bandsaw blade,, are normally high-speed-steel tooth tips welded (usually by electron beam) to an alloy-steel band. This yields hard teeth while retaining a strong but flexible blade that can bend around the bandsaw drive wheels. There are also saw bands with extra-wide and hardened bands to resist flexing and...

9/3,K/3 (Item 1 from file: 194)

DIALOG(R) File 194: FBODaily

(c) format only 2003 The Dialog Corp. All rts. reserv.

1361241

JAMICA: VARIOUS SHOP EQUIPMENT

Authority: AID Project 532-0083. Source/Origin: AID Geographic Code 941. IFB C-300004. Commodities: AV equip and accessories: 35mm slide projector,

filmstrip projector, transparency overhead projector, etc, 18 line items, total qty 197. Office equipment: filing cabinet, postal scales (letter), typewriter (electric), cheque writer, paper punch, etc, 39 line items, total qty 1,335. Machine shop equipment: vertical milling machine, surface grinder, metal working lathe, universal milling machine, drilling press, etc, 185 line items, total qty 5,203. Machine ship welding equipment: electric heat treating furnace, buffing wheels, safety glass monitor cabinet, notching cutter, etc, 4 line items, total qty 54. Auto mechanics shop equipment: timing light, ignition tune-up set, circuit test light, valve and clutch spring tester, C-clamp valve lifter, etc, 180 line items, total qty 1,113. Electricity shop equipment: hydrometer, phase sequence insulation dielectric strength tester, ball pein hammer, indicator, 96 line items, total qty 1,511. Construction shop flexible goggles, etc, (wood cutting 20''), thickness planer, radial arm band saw equipment: saw, drill press, mortising chisels, etc, 171 line items, total qty...

9/3,K/4 (Item 1 from file: 727)
DIALOG(R)File 727:Canadian Newspapers
(c) 2003 Southam Inc. All rts. reserv.

05031864 (USE FORMAT 7 FOR FULLTEXT)
Installing parquet flooring
Yvonne Jeffery Hope
Ottawa Citizen, FINAL ED, P I3
November 09, 1996

...CAPTIONS: along the tile. Depending on the glue, you may need to rent a 100-pound roller for this step.; Black & White Photo: 6 Once you reach the outside edges, a variety...

...straight lines, use a framing square to mark the line. Cut with a sabre or **band** saw and press in place. When finished, stay off the floor as long as your adhesive product recommends.; Black & White Photo: 3 Use the **notched** trowel (3/16-inch is usually recommended, but check product instructions) to spread the adhesive...

9/3,K/5 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2003 ProQuest. All rts. reserv.

01960816 (USE FORMAT 7 OR 9 FOR FULLTEXT)

I built a traversing-beam sawmill for under \$1,000

Sellers, Dick

Mother Earth News (GTME), n144, p82-93, p.9

Jun 1994

ISSN: 0027-1535 JOURNAL CODE: GTME

TEXT:

... is bolted to one end of a heavy mandrel, a shaft running in ball or roller bearings mounted to a heavy base. A blade-weight flywheel/ drive pulley is bolted to the other end of the shaft to provide balance and momentum and to hold the flat drive belt. Other power- drive pulleys are attached in between. Like a stationary band saw, it can be powered by water, a big electric motor, or an automobile or tractor...

9/3,K/6 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01568097

DELTA INTRODUCES 4" X 6" HORIZONTAL BAND SAW.

NEWS RELEASE December 8, 1986 p. 11

Delta International Macinery Corp.announces the introduction of its versatile $4" \times 6"$ Horizontal band Saw (Model 20-330) designed for both horizontal and vertical metal cutting applications. As a horizontal unit, the Band Saw cuts rectangular stock up to $4-1/8" \times 6"$ and round stock 4-1/8" in diameter. In minutes, it converts into a vertical band saw for contouring, notching and slitting operations. Vertical set-up cutting capacity is $7-1/2" \times 5"$. This...

... it ideal for maintenance and machine shops, metal/plastic fabricators, contractors, and home workshops. The **Band Saw** comes complete with stand and **wheels** for easy movement from one location to another. Equipped with a 1/3 HP, 115v...

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Set
        Items
                 Description
S1
         7322
                 BANDSAW?? OR BAND()SAW??
                 ROLLER? ? OR WHEEL? ? OR COG? ? OR CAM? ?
S2
     10443420
                 THRUST??? OR GUID???? OR DRIV??? OR PROPEL?
S3
     14444911
                 TEETH OR SERRAT? OR SAW() TOOTH?? OR SAWTOOTH?? OR SERRULAT?
S4
       802589
              OR DENTAT? OR TOOTHED OR NOTCH???
          312
                 S1 AND S2 AND S3 AND S4
S5
56
           15
                 S1(S)S2(S)S3(S)S4
S7
           10
                RD (unique items)
S8
            8
                 S7 NOT PY>2001
cs9-----
           6
                S8 NOT PD>20010223 ~.
? show files
File 148:Gale Group Trade & Industry DB 1976-2003/May 07
          (c) 2003 The Gale Group
File 505: Asian Co. Profiles 2003/May
          (c) 2003 FBR Bus Info Svcs
File 16:Gale Group PROMT(R) 1990-2003/May 07
          (c) 2003 The Gale Group
File 993:NewsRoom 2002/Jan-Dec
          (c) 2003 The Dialog Corporation
File 112:UBM Industry News 1998-2003/May 08
          (c) 2003 United Business Media
     15:ABI/Inform(R) 1971-2003/May 07
File
          (c) 2003 ProQuest Info&Learning
File 194:FBODaily 1982/Dec-2003/Jan
          (c) format only 2003 The Dialog Corp.
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          (c) 2003 Thomson Financial Networks
File 262:CBCA Fulltext 1982-2003/May
          (c) 2003 Micromedia Ltd.
File 994:NewsRoom 2001
          (c) 2003 The Dialog Corporation
File 727: Canadian Newspapers 1990-2003/May 08
          (c) 2003 Southam Inc.
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          (c) 2003 ProQuest
File 995: NewsRoom 2000
          (c) 2003 The Dialog Corporation
      88: Gale Group Business A.R.T.S. 1976-2003/May 07
          (c) 2003 The Gale Group
File 160: Gale Group PROMT(R) 1972-1989
          (c) 1999 The Gale Group
      47: Gale Group Magazine DB(TM) 1959-2003/May 06
          (c) 2003 The Gale group
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          (Copr. 2003 D&B)
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          (c) 2003 The Gale Group
File 990: NewsRoom Current 2003/May 08
          (c) 2003 The Dialog Corp.
File
       9:Business & Industry(R) Jul/1994-2003/May 07
          (c) 2003 Resp. DB Svcs.
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          (c) 2003 The Gale Group
File 635:Business Dateline(R) 1985-2003/May 08
          (c) 2003 ProQuest Info&Learning
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